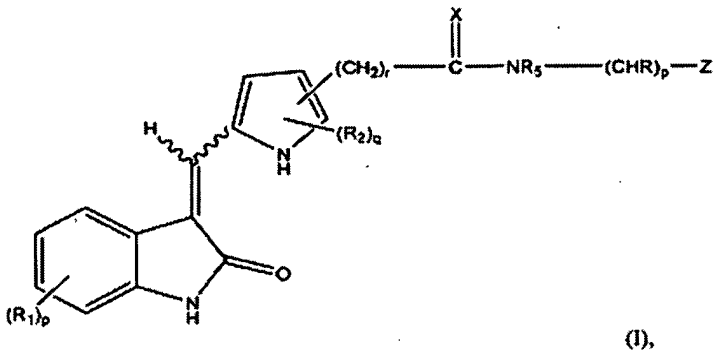
Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claims 1-69. (canceled)

70. (New) A method for treating excessive osteolysis in a patent, comprising administering to said patient an effective amount of a compound of Formula I:



(I),

wherein

R is independently H, OH, alkyl, aryl, cycloalkyl, heteroaryl, alkoxy, heterocyclic and amino;

each R_1 is independently selected from the group consisting of alkyl, halo, aryl, alkoxy, haloalkyl, haloalkoxy, cycloalkyl, heteroaryl, hetercyclic, hydroxy, -C(O)-R_8, -NR_9R_{10}, -$NR_9C(O)$-R_{12} and –$C(O)NR_9R_{10}$;

each R_2 is independently selected from the group consisting of alkyl, aryl, heteroaryl, -C(O)-R_8 and SO_2R'', where R'' is alkyl, aryl, heteroaryl, NR_9N_{10} or alkoxy;

each R_5 is independently selected from the group consisting of hydrogen, alkyl, aryl, haloalkyl, cycloalkyl, heteroaryl, heterocyclic, hydroxy, -C(O)-R_8 and $(CHR)_rR_{11}$;

X is O or S;

p is 0-3;

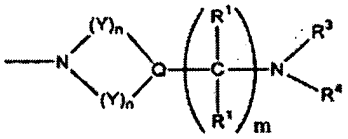
q is 0-2;

r is 0-3;

R_8 is selected from the group consisting of –OH, alkyl, aryl, heteroaryl, alkoxy, cycloalkyl and heterocyclic;

R_9 and R_{10} are independently selected from the group consisting of H, alkyl, aryl, aminoalkyl, heteroaryl, cycloalkyl and heterocyclic, or R_9 and R_{10} together with N may form a ring, where the ring atoms are selected from the group consisting of C, N, O and S;

R_{11} is selected from the group consisting of –OH, amino, monosubstituted amino, disubstituted amino, alkyl, aryl, heteroaryl, alkoxy, cycloalkyl and heterocyclic; R_{12} is selected from the group consisting of alkyl, aryl, heteroaryl, alkoxy, cycloalkyl and heterocyclic;
R_{12} is selected from the group consisting of alkyl, aryl, heteroaryl, alkoxy, cycloalkyl and heterocyclic;
Z is OH, O-alkyl, or $–NR_3R_4$, where R_3 and R_4 are independently selected from the group consisting of hydrogen, alkyl, aryl, heteroaryl, cycloalkyl, and heterocyclic, or R_3 and R_4 may combine with N to form a ring where the ring atoms are selected from the group consisting of CH_2, N, O and S or

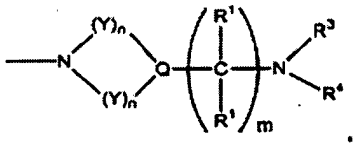


wherein Y is independently CH_2, O, N or S,
Q is C or N;
n is independently 0-4; and
m is 0-3;
or a salt thereof,
wherein said compound or salt inhibits phosphorylation of colony stimulating factor 1 receptor (CSF1R).

71. (New) The method of claim 70, wherein R_1 is halo and p is 1.

72. (New) The method of claim 70, where Z is $–NR_3R_4$, wherein R_3 and R_4 form a morpholine ring.

73. (New) The method of claim 70, wherein Z is;



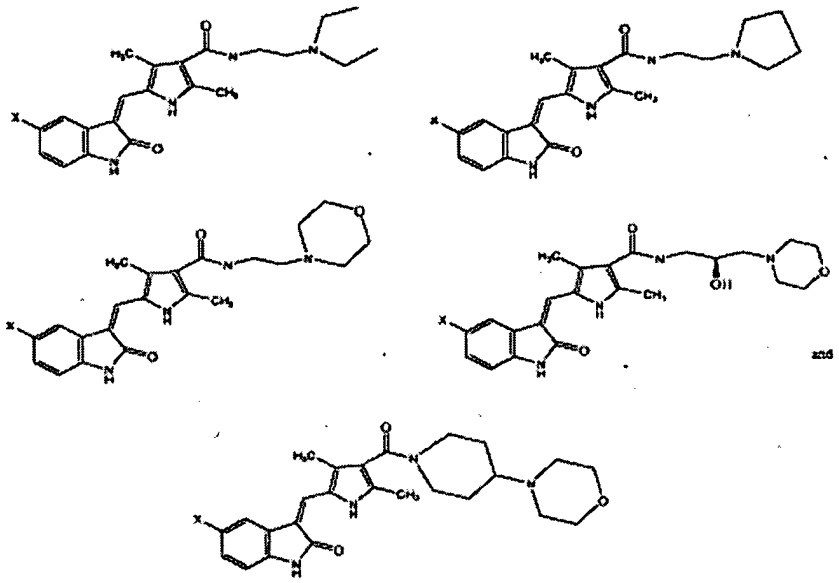
wherein each Y is CH_2, each n is 2, m is 0 and R_3 and R_4 form a morpholine ring.

74. (New) The method of claim 70, wherein R_2 is methyl and q is 2, wherein the methyls are bonded at the 3 and 5 positions.

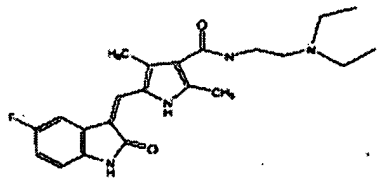
75. (New) The method of claim 70, wherein R_5 is H.

76. (New) The method of any of claims 70-75, wherein r is 0.

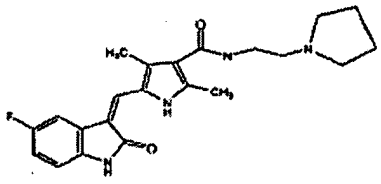
77. (New) The method of claim 70, wherein the compound administered is selected from the group consisting of



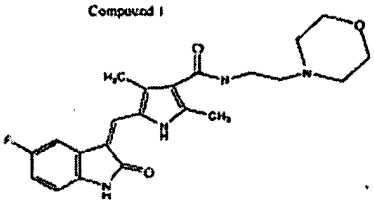
78. (New) The method of claim 70, wherein the compound of formula I is selected from the group consisting of:



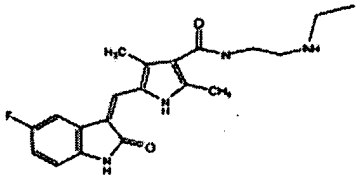
Compound 1



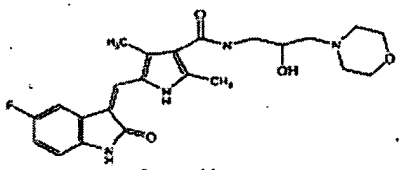
Compound 2



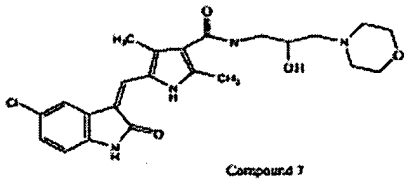
Compound 3



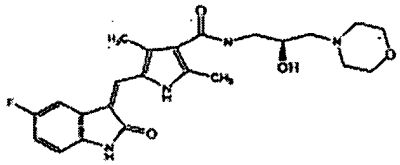
Compound 8



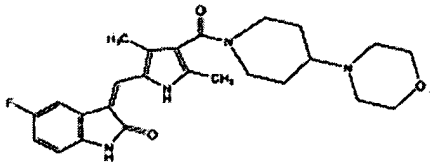
Compound 6



Compound 7

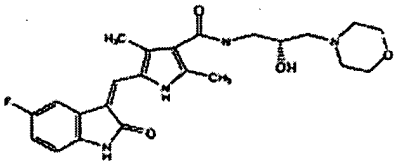


Compound 4



Compound 9

and



Compound 5

79. (New) The method of claim 70, wherein the patient has cancer that has metastasized to bone.

80. (New) The method of claim 70, wherein the patient has cancer that secrets macrophage colony stimulating factor (M-CSF).

81. (New) The method of claim 70, wherein the patient has osteoporosis.

82. (New) The method of claim 70, wherein the patient is post-menopausal.